

TITLE

HYPOALLERGENIC TRANSGENIC SOYBEANS

ABSTRACT OF THE DISCLOSURE

Hypoallergenic transgenic soybeans and recombinant expression constructs to lower

5 soybean vacuolar protein, commonly known as P34, as well as other allergens are disclosed.

Soybean protein products made from these hypoallergenic soybeans should be substantially free of the major soy allergen, P34, and, in addition, other minor soy allergens, such as, Gly m Bd 28K, alpha-subunit of beta-conglycinin, KSTI, Gly m2, Gly m IA, Gly m IB, rGLY m3 and glycinin G1.

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LMC/dmm